

ROSA UNIT #213 BASIN FRUITLAND COAL

K.B. = 12'

Spud: 10/15/89
Completed: 11/12/89
First Delivery: 04/11/90
Sidetrack & Caviate: 06/10/99
Re-cavitated: 03/08/04
Pumping Unit: 05/04/05

Location:
1020' FNL and 1535' FEL
NW/4 NE/4 Sec 23(B), T31N R6W
Rio Arriba, NM
Elevation GL: 6285'

API # 30-039-24426

Top	Depth
Ojo Alamo	2356'
Kirtland	2447'
Fruitland	2956'

Surface: 5 jts, 9-5/8", 40#, N-80., L.T.C.
Set @ 226' TVD.

Intermediate: 73 jts, 7", 23#, K-55,
STC. Set @ 2944' TVD

Liner Hanger: TIW JGS @ 2850' MD

Casing Window: 2918'-2927' TVD

Hole Sidetracked: 2930' - 3127' MD

Whipstock @ 2935' TVD

Bridge Plug @ 2935' TVD

Tubing: All 2-3/8", 4.7#, J-55, EUE, 8RD.
Top to Bottom: 1 Jt., 2' Sub, 97 Jts., 1.78" "F"
Nipple, Mud Anchor. 98 Jts. Total, "F" Nipple
@ 3083' MD, Mud Anchor @ 3112' MD

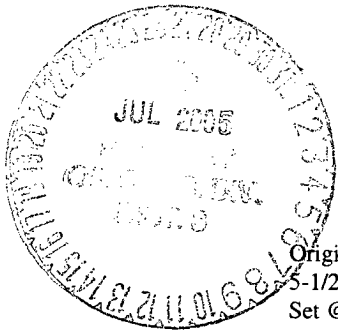
Rods: All Norris, 3/4", Type 54, Grade "D".
Top to Bottom: 1-1/4" Polish Rod, 1-1/2" x
10' Polished Rod Liner, 2', 6', 8' Ponies,
92 Slick, Three 1-1/4" Sinker Bars, 27 w/ 5
Norris Guides/Rod, 4' Pony.

Pump: Harbison Fisher 2" x 1-1/4" x
8' x 12' x 12' 3" RHAC-Z, 1" x 6' dip
tube.

Perforations: All 4 SPF, All 0.44" Diameter
126' Total, 504 Total Holes

Liner: 6 jts, 5-1/2", 17#, N-80,
LT&C w/LA shoe & "H" collar.
Set @ 3122' MD.

Original Liner: 5 jts,
5-1/2", 15.5#, K-55.
Set @ 3126' TVD
Not Cemented



Sidetracked Well 06/10/99

Could not get original liner out of well.
Set whipstock and sidetracked well.

Original PBTD @ 3125' TVD
Original TD @ 3127' TVD

PBTD 3121' MD
TD @ 3127' MD

Last Depth Reached: 3116'

Xander Buck, 06/30/05

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 40#	150 sx	173 cu. ft.	Surface
8-3/4"	7", 23#	500 sx	774 cu. ft.	200' (Temp. Survey)
6-1/4"	5-1/2", 17#	Did Not Cmt		